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April 16, 2002

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APR 17 2002

Art Unit 1646

Commissioner for Patents  
Washington, D.C. 20231

TECH CENTER 1600/2900

Re: U.S. Utility Patent Application  
Appl. No. 09/809,060; Filed: March 16, 2001  
For: **A Method for Generating Immunogens that Elicit Neutralizing  
Antibodies Against Fusion-Active Regions of HIV Envelope Proteins**  
Inventors: Wild *et al.*  
Our Ref: 1900.0260001/JMC/CML

Sir:

Transmitted herewith for appropriate action are the following documents:

1. Second Supplemental Information Disclosure Statement;
2. Form PTO-1449 listing four (4) cited documents (2 pages);
3. Copies of the four (4) cited documents as listed on Form PTO-1449 (AT12, AR13-AT13); and
4. One (1) return postcard.

• Commissioner for Patents  
April 16, 2002  
Page 2

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



John M. Covert  
Attorney for Applicants  
Registration No. 38,759

JMC/CML:dms  
Enclosures

SKGF\_DC1:3398.1

#5

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Wild *et al.*

Appl. No. 09/809,060

Filed: March 16, 2001

For: **A Method for Generating  
Immunogens that Elicit Neutralizing  
Antibodies Against Fusion-Active  
Regions of HIV Envelope Proteins**

Confirmation No.

Art Unit: 1646

Examiner: *To be assigned*

Atty. Docket: 1900.0260001/JMC/CML

**Second Supplemental Information Disclosure Statement**

Commissioner for Patents  
Washington, D.C. 20231

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Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. The numbering on this **Second Supplemental Information Disclosure Statement** is a continuation of the numbering in Applicants' **First Supplemental Information Disclosure Statement** filed on **February 26, 2002** in connection with the above-captioned application. A copy of each document is also provided.

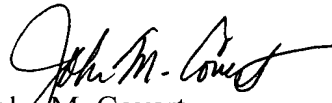
Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered. This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist.

This Information Disclosure Statement is being filed more than three months after the U.S. filing date, but before the mailing date of a first Office Action on the merits. No statement or fee is required.

Respectfully submitted,


STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



John M. Covert  
Attorney for Applicants  
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Date: April 16, 2002

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 <p>FORM PTO-1449 SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</p>	ATTY. DOCKET NO. 1900.0260001	APPLICATION NO. 09/809,060
	APPLICANT Wild <i>et al.</i>	
	FILING DATE March 16, 2001	GROUP 1646

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

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## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AT	<u>12</u>	Kliger, Y. and Shai Y., "Inhibition of HIV-1 Entry Before gp41 Folds Into its Fusion-active Conformation, " <i>J. Mol. Biol.</i> 295:163-168, Academic Press, Ltd. (January 2000)
AR	<u>13</u>	LaCasse, R.A. <i>et al.</i> , "Fusion-Competent Vaccines: Broad Neutralization of Primary Isolates of HIV, " <i>Science</i> 283:357-362, American Association for the Advancement of Science (1999)
AS	<u>13</u>	Rabinstein, M., and Shin, Y-K., "A Peptide from the Heptad Repeat of Human Immunodeficiency Virus gp41 Shows both Membrane Binding and Coiled-Coil Formation," <i>Biochemistry</i> 34:13390-13397, American Chemical Society (1995)

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

OIPE APR 16 2002 JUDGE	FORM PTO-1449	ATTY. DOCKET NO. 1900.0260001	APPLICATION NO. 09/809,060
	SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	APPLICANT Wild <i>et al.</i>	
	FILING DATE March 16, 2001	GROUP 1646	

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AT	13	Weng, Y., and Weiss, C.D., "Mutational Analysis of Residues in the Coiled-Coil Domain of Human Immunodeficiency Virus Type 1 Transmembrane Protein gp41, "J. Virol. 72:9676-9682, American Society for Microbiology/DC (1998)

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.